



PHASE	A	G	G	R	R	R	R	R	R	
A YELLOW	Y	Y	R	R	R	R	R	R	R	→
PHASE B	R	R	←	←	↑	↑	R	R		
B YELLOW	R	R	Y	Y	Y	Y	R	R		↘
PHASE C	R	R	R	R	R	R	↑	↑		↗
C YELLOW	R	R	R	R	R	R	Y	Y		→
ALL RED	R	R	R	R	R	R	R	R		→
FLASHING OPERATION	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R		↔

NOTE  
HANDBOXES IN MEDIAN TO BE SPACED  
116' BETWEEN RUNS OF CONDUIT

US 29

US 29

### CONSTRUCTION DETAILS

- (A) RELOCATED EXISTING STEEL POLE, WITH A TWIN MAST ARM FOR TRAFFIC SIGNALS, AND A MAST ARM FOR STREET LIGHTING FROM EXISTING SOUTHERN ENTRANCE TO COLUMBIA
- (B) RELOCATED EXISTING STEEL POLE, WITH A MAST ARM FOR TRAFFIC SIGNALS AND A MAST ARM FOR STREET LIGHTING FROM EXISTING SOUTHERN ENTRANCE TO COLUMBIA
- (C) INSTALL BASE MOUNTED CABINET WITH ALL NECESSARY EQUIPMENT
- (D) INSTALL 10' BREAK-AWAY PEDESTAL WITH PROPER POST TOP ADAPTER AND I-1 WAY (3 SECT) ADJ VEH SIGNAL (12" INDICATIONS WITH 12" GREEN ARROW LENS) (3M MOD 131)
- (E) INSTALL HANDBOX (FRAME & COVER) STANDARD SRC
- (F) INSTALL LOOP DETECTOR 6' X 8' (2 TURNS)
- (G) INSTALL 1" GALV CONDUIT
- (H) INSTALL 3" GALV CONDUIT
- (J) INSTALL 2 PIECES OF 3" GALV CONDUIT
- (K) INSTALL LOOP DETECTOR 8' X 50' (2 TURNS)
- (L) INSTALL LOOP DETECTOR 4' X 6' (3 TURNS)
- (M) INSTALL 1" GALV CONDUIT FOR DET WIRE
- (N) RELOCATED EXISTING 15' SECTION OF GUARDRAIL FROM SOUTHERN ENTRANCE TO COLUMBIA
- (O) BRACKET I-1 WAY (3 SECT) ADJ VEH SIGNAL (12" INDICATIONS WITH 12" GREEN ARROW LENS) TO STEEL POLE (3M MOD 131)

NOTE  
ELECTRICAL FEED FOR THIS INTERSECTION TO BE DETERMINED  
BY HOWARD RESEARCH AND DEVELOPMENT CORP & CONTRACTOR  
DRAWING SCALE FROM PLATE SUPPLIED TO US BY H.R & D CORP

REVISIONS

APPROVAL: CHIEF - BUREAU  
OF  
TRAFFIC ENGINEERING

APPROVAL: ASS'T CHIEF ENGINEER  
TRAFFIC SAFETY

MARYLAND STATE ROADS COMMISSION  
DIVISION OF TRAFFIC SAFETY  
BUREAU OF TRAFFIC ENGINEERING

US 29 & RELOCATED SOUTHERN ENTRANCE  
AND EXITS TO COLUMBIA

DATE 3-30-71

CONTRACT NO.

SCALE 1" = 20'

COUNTY HOWARD

DRAWN BY: J. SPENCE

CHECKED BY:

DRAWING  
NO.  
TS-321